5-23-74 12.3.8 v.3

CHECK
INFORMATON
FOR ACTION
PERMIT
OTHER



TO: Ken Mauermann, Files

FROM Laurence Ashley

SUBJECT LONE STAR CEMENT COMPANY, SEATTLE

DATE May 23, 1974

A water sample from the outfall from a settling pond at Lone Star Cement Company on May 20, 1974, was delivered to the laboratory for chemical analysis. The results:

SAMPLE	pН	Cu	Ni
		ııığ	/1
Leachate	10.7	< 01	<.1
to Duwamis	sh		

LA:js 5-23-74 dt



	dinashi or Ecology		Tues
219	te of Washington	New Perr´ Expiredrmit No	Type Permit No.
WAS	TE DISCHARGE PERMIT	Drainage Basin	Rec'd
	lication Form	Advertising Needed	Issued
	· · · · · · · · · · · · · · · · · · ·		Expired
mun	Application is hereby made for a permit ticipal sewerage systems in accordance with		
۸.	NAME OF COMPANY LONE STAR INDUSTRIES,	INC.	
в.	MAILING ADDRESS 3001 E. MARGINAL WAY S	5., SEATTLE, WA. 98134	
C.	PLANT LOCATION (SAME ADDRESS AS ABOVE)	<u> </u>	
	PHONE 623-55%	CONTACT PERSON LEE I	3. BECKAAM
D.	TYPE OF INDUSTRY MANUFACTURE OF PORTLAND	CEMENT	
Ε.	WASTE FLOW: (Submit on separate sheet)		
	Describe in detail the sources, treatment plant, including water-process air pollut flow diagram showing the sources and flow	ion control equipment. Inclu	
F.	SOLID WASTE DISPOSAL: (Submit on separate	e sheet)	
	Describe the types of solid wastes accumus storage provision, frequency of removal, include all sludges, dusts, scraps, trimm	and final disposal of each so	olid waste.
G.	WATER SUPPLY:		
	Prîvate well	Recorded Water Rig	ht No
	Surface Water N/A (name of waterway)	Recorded Water Rig	ht NO
	Public System SEATTLE WATER DEPARTMENT (name of system)	_	•
	Location of private well or plant surface	water intake; SectionTow	nshipRange
н.	WASTEWATER DISPOSAL:	Maximum Gallons/Da	у
	To Land or Subsurface Ground Dispose		
	To Surface Waterway (name of waterway	ey)	
	X To Sanitary Sewerage System SEATELE WATER DEPT. (COMBINED UTILIDAM) OF		
	Location of Discharge Point(s) and/or Conr	nection(s) to Municipal Sewer	System:
	FOR LOCATIONS OF TWO SANITARY SEWER DISCHA	ARGE CONNECTION POINTS TO MUN	ICIPAL SEWER
	SYSTEM REFER TO GRIDS S10/5/W 3010 AND S145	50/W3010 ON LST DWG. I-WS-L-5	,
			AGC2H000521

			•	, yyy <u>-</u>
- W	ATER SUPPLY VOLUMES	Average Gallons/D	Maximum Gallons/Day	
	Private Well Surface Water			
	Public System	155,300	215, 200	
T	OTAL	165,000	215,000	
I. W	ASTEWATER AND WATER UTILIZATION: Sanitary Wastes	Average Gallons/Day	Maximum Gallons/Day	1
	Industrial Wastewater	RECLAIMED IN TH	E SLURRY .	0
	Cooling Water Discharge	RECLAIMED IN TH	E SLURRY-	Check
	Water Incorporated into Product	N/A		for
	Evaporative Loss	164,300	214,100	
	Other (Specify)			Equality
				₹
T	OTAL	105,000	215,000	
EI	FFLUENT ANALYSIS: (Submit on separat	te sheet)		
. Pl De Or No:	description of the sampling and analed - NO EFFLUENT DISCHARGED INTO WATE LANNED WASTE TREATMENT IMPROVEMENTS: escribe any additional treatment or condended construction. NE FORMWATER TREATMENT AND CONTROL:	RWAY. (Submit on separate	sheet)	
f	No Treatment			
T A		.	Tooland	
U	Treated Stormwater to Waterway		Treatment	
	(name of waterway)	Ŭ Se	ttling of Sedimentatio	n
		() so	reening or Filtration	
			paration or Flotation	٠
	Contaminated Stormwater to Sanita		Treatment	
C	Size of Intercepted Area	() Se	ttling or Sedimentatio	on
	sq. ft.	() so	reening or Filtration	
		ے (ا	N/A paration or Flotation	

AGC2H000522

PLANT OPERATION:	Days per Year	Number of E Day	Employees Night	per Shift Swing
Average	<u>355</u>		1/2	1 <u>j</u>
Max1mum	365	<u>71</u>	12	15
RAW MATERIALS AND C	CHEMICALS USED IN PROCESSES:			
Brand Name	Chemical, Scientific or Actual Name	Quantity Us Average	sed per Da Maximum	
IMESTONE	LIMESTONE	100 TONS/D.	AY 1,000	TONS/GAY
ANCSTONE	SANDSTONE	105 τομε/ο	AY 150	TONS/ UAY
LAST FURNACE	SLAG	35 TONS/U	AY	TONS/UAY
DAL	COAL (BITUMINOUS)	240 TONS/U	AY 250	O TONS/DAY
PRODUCTION:		Quantity Po Average	rođuced Pe Maximur	
ltem	•	1050	ost o	/
EMENT (ALL TYPES)		1250 TONS/		TONS/DAY -
		<u> </u>	· · · · · · · · · · · · · · · · · · ·	_
	L VARIATION IN WASTE DISCHARGIN PROCESSES, AND/OR PRODUCTION			- IONS, RAW MAT
AND CHEMICALS USED	IN PROCESSES, AND/OR PRODUCTION Ten on this application is comp	ON: NOT APPLI	rate to the	
AND CHEMICALS USED	ren on this application is com	on: NOT APPLI	CABLE .	
AND CHEMICALS USED	ren on this application is com	on: NOT APPLI	rate to the	
AND CHEMICALS USED	en on this application is com	plete and accur Sign E B. BECKHAM Pris	rate to the	

*Please specify units. For example: Tons per day, pounds per day, barrels per day.

	`				
(1N, +3)				
(100/	/				
	186, 12 than 7	27001/4 ³ × 7	10 - 1/43	23 /47 25	A
7460 5580080=	SEPT. 9	3 2700 ft 3 x 7.	to galfi =	20,191.35 ga	= 721.33GPD.
580033	199,286GPD	1	0 /	28 dayper	und
2 70	JULY BULL	2000 43 × 7.0	Had As	22 4415 a	il.
8700 =	JULY 13thruz AVG. 12			22,4415 g	= 748.056PD
4507,600	216,92090			30 day perio	de la companya de la
6507,600	TINE 14thul	2800KT3 , 7.9	4 cal //13.	20 944	- 700 01000
	TULY 13	2800/13 x 7.9	5701	29	= 722,21GPD
7800 = 5,466,384 =	188,496 GPD	1			
2/21	MAN 11thous	1000/23 11 7	(in 0/43:	14.212	= 418,00GPD
6476	MAY //thm JUNE 14	1900/1- 1 11	caegui	34	- 7/0,00 GFZ
as 048	142,472600	T		01	
4,8 34 4,8 34	APPH Athon	-1 ! //wan /+3 v 7.	18 m0 //+3 2	11968	110 0/ +01
-165	MAN 11	1600 ft 3 x 74	to stell -	27	= 443,26 498
431220	159,7129PD	1		2/	
437	TORO IL Thou	1 7 21 mm/+ 3 v 7	18-0/43=	25432	= 847.73GPD
3401	ADDI/. 14	2 3400 ft 3 x 7,	to gle of	20	= 841.124.12
403220	134,665900	Í	,	50	
4,0130	FEB 15 thing) /43u=	10-01/43=	25.422	100 28 10
6325092	>	3400 ft 3x7,	togelfs -	20)432	= 908, 28 692
137092	MAR 15 \		V	28	
7/10	101,013910	7 2000 (+3/3	1100/1+3=	11 010	- 100 au 61
(1.0)	SIN LAUNU	} 2000 ft 3x7.	40/9C/19	74,900	= 680.00 GPD
4,00	141,4406A		<i>J</i>	4	
3/1680:	DEC 22thm	7 2 - 1/471	718 ml 1/13	- 77 110	
5759	TAN121	2 3000/+3x	117000	20	= 701,25GPD
77.33	1346176N		0 /	32	,
4332	177,000			1	
/ '				<u> </u>	
					7
)		684,72GPD
	1105 014)	260	Į.
	165,014		/	- Culto	•
	,		• • •	~	
				·	
A	IONE STAR	Cubicat			B., 044

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INDUSTRIES

WASHINGTON

SEATTLE

1975 - 11 88"	10 - 21 = 1	2.1147"/days -	uston Aura 10005W/
1975 - 41.88" rainfai 1976 - 27.49" "1 2.29"		. 0753"/dd .	1.0062739/4
2,29		10	day/year

28,416,70f7 2x.0095616ft/day/granay/975 = 271,7/ft3/day x 7,48 gel/ft = 1 2,0326PD) for year 1375

28,416.70 ft² x. 0062739 ft/day/year dry 1976 = 178.28ft3/day x 7.48 ope/ft = 1333.56 GPD Tryon 1976

MAX 2,41 '/day (24m ps) = 0.2008' 28,416.70 ft 2 1.2008 × 7.48 = 42,68143 gal/day MAX

\$ LONE	STAR TRIES
INDUS	IKIES

SEATTLE

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Subject: _		 	
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By ____ Date ______
Chkd: By ____ Date _____

Sheet No. _____01 ____

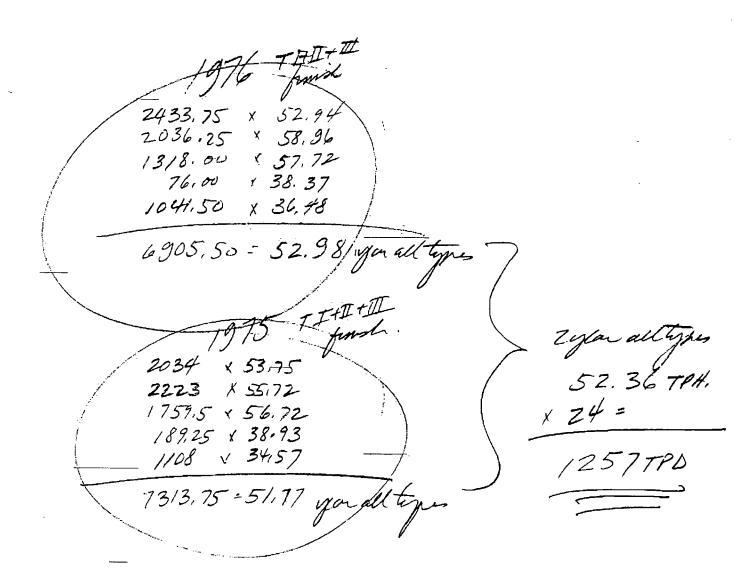
AGC2H000525

TZ-302.7 Mayor

/	FANISH	OLMONT	
451 TI	- 1975 1976	TPH OPT. 60,0 60.0 (1440 TONS/DM)	11.12 3 NB. 71.63 TPH 72.14 3 TPH 1719-12 TOUS SM
181 TZ	I 1975 1976	60.0 60.0 (1440 TONS/DAY)	57.04 3 AVG. 57.57784 58.09 3 AVG. 57.57784
LSI TIL	I 1975 1976	30.0 30.0 (720 TONS/DAY)	37.84 3 AVG. 37.05 TPH 36.26 3 AVG. 37.05 TPH 889.20 TOUS/DA.
MASONRY	1975	10,0 10,0 (240 TONS/DAY)	8.40 } NG. 8,40 TPH. 8.39 } 201,60 TONS/DAY

众	LONE STAR INDUSTRIES
CCATTIC	WASHINGTON

ubject:	By Date
	Chkd. By Date
	Sheet NoOf_ AGC2H000526



TINI	ONE STAR
LO	DUSTRIES
SEATTLE	WASHINGTON

Subject:	ByDate
	Chkd. ByDate

0	PAINTAL	L FIGU	ES	
1975 - 1976 -	41.88 inched rai	infall infall		
·	69.37 inches Zyr	1. pend AB,	34.685 inch	ゔ .
26.4	² acres X /076.39:	= 28,416.70 _A	42 x 2.89ft = 6	82,124,26ft ³
	24.26 ft *rainfall 13368		365 days/year	gal/day,
	- 52.94 TPH - 58.96 TPH			

分	LONE STAR INDUSTRIES
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ect:	B
BCT:	ByDate
	Chkd. By Date